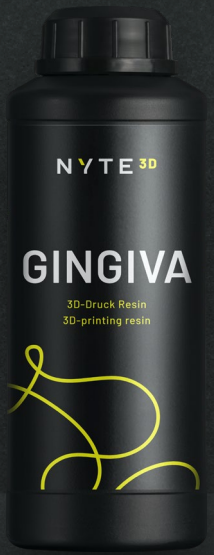
NYTE 3D

NYTE3D Gingiva

Usage instructions



General information

Indication

NYTE3D Gingiva is a light-cured resin for gingival masks, for use in 3D printers based on DLP or MSLA|LCD. With its natural rose-pink colour and flexibility, this is an outstanding choice for aesthetically appealing dentures and ideal for use with NYTE3D Model. NYTE3D Gingiva is compatible with 3D printers using a 385 nm or 405 nm wavelength.

Contraindication

The NYTE3D Gingiva material is not classified as a medical device. The material is therefore only suitable for gingival masks printing. NYTE3D accepts no liability for any loss or injury resulting from an incorrect use of the resin.

Storage

The material must be stored in a tightly sealed container in a dark place, at a temperature between 18 °C and 28 °C. Do not expose the liquid or the container to sunlight and keep exposure to daylight as short as possible to avoid the liquid starting to cure prematurely.

Disposal

Dispose of liquid material, material treated with isopropanol or partially cured material in accordance with local, regional or national/international environmental regulations.

Hazards

Check and follow the corresponding safety data sheet when using NYTE3D Gingiva.

Hazard statements: H317 May cause an allergic skin reaction, H332 Harmful if inhaled, H411 Toxic to aquatic life with long lasting effects

Precautionary statements: P101 If medical advice is needed, have product container or label at hand, P102 Keep out of reach of children, P273 Avoid release to the environment, P280 Wear suitable protective clothing, gloves and eye/face protection, P391 Collect spillage, P501 Dispose of waste according to applicable legislation

Batch number and use-by date

These details are printed on the packaging. Please state the product batch number if you wish to submit a complaint. Do not use the product after the use-by date has expired.

Usage information

Preparation

- ✓ We recommend wearing personal protective equipment (e.g. gloves, safety goggles) when handling / working with the product.
- ✓ Check to confirm your 3D printer is in proper working order and that there is no soiling or dirt on the build plate, resin tank or lighting unit. Check and follow the instruction manual for the 3D printer you are using.
- ✓ Keeping the resin bottle closed, shake it thoroughly before use (at least 2 minutes) or have NYTE3D Gingiva mixed automatically by a roller / tilting stirring device.
- ✓ Then pour NYTE3D Gingiva carefully into the 3D printer's resin tank.
- ✓ If there is any NYTE3D Gingiva already present in the resin tank, mix this thoroughly with a suitable plastic or silicone spatula for at least 2 minutes. Take care to avoid splashing material over the edge of the tank.
- ✓ Working temperature: 18 °C to 28 °C.
- ✓ We do not recommend using the 3D printer to heat the material.

3D-printing

- ✓ Layer thicknesses for NYTE3D Gingiva can range from 0.025 mm to 0.15 mm (recommended layer thickness: 0.10 mm).
- ✓ Select the product-specific parameter settings for NYTE3D Gingiva for your printing process.
- ⓘ **Tip for slicing software:** position enough supports with a larger diameter. If the gingival mask has been produced with a flat underside (depends on CAD software used), we advise positioning it directly on the build plate (in this case, take care to ensure parallelism with the plate). NYTE3D Gingiva has an impressive natural flexibility. This procedure prevents objects from tearing off during the printing process.
- ✓ When the 3D printing process is complete, leave the printed objects hanging from the build plate in your printer for 5 minutes to let them drip dry.
- ✓ Then use a suitable tool to remove the printed objects from the build plate.

- ✓ Take care not to expose the printed objects to direct sunlight before they have received their final treatment.

Cleaning

- ✓ Clean the printed objects with isopropanol (min. 90 %) in a suitable container. (Check and follow the safety and disposal instructions from the isopropanol manufacturer.)
- ✓ Do not leave the printed objects in the isopropanol bath for longer than 4 to 5 minutes.

Drying

- ✓ Dry the objects carefully with compressed air at low pressure or let the objects air-dry for at least 7 minutes.

Final light curing (do not skip this step!)

- ✓ **Otoflash G171:** 2 x 400 flashes
- ✓ **Rapidshape RS cure:** 120 seconds | 100% power | lower wavelength
- ✓ **Industry-standard cure / wash systems:** 2 x 6 minutes

Want to give us feedback about our material?

Help design the next generation of NYTE3D materials! Your feedback helps us to make your day-to-day work easier.

NYTE 3D

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Interested in other types of 3D dental resins? Check our website to find out more!

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